Mississippi Grade 5

FlyBy Math™ Alignment
2007 Mississippi Mathematics Framework

Content Strand: Algebra

Competency 2. Explain, analyze, and generate patterns, relationships, and functions using algebraic symbols, demonstrate an understanding of the properties of the basic operations, and analyze change in various contexts.

Objectives/Benchmarks	*FlyBy Math*™ Activities
b. Construct with a given rule and complete input/output function tables using basic operations with decimals, fractions, and whole numbers.	--Use tables, bar graphs, line graphs, a Cartesian coordinate system, and equations to model aircraft conflicts and predict outcomes.

Content Strand: Measurement

Competency 4. Develop concepts and apply appropriate tools and techniques to determine units of measure.

Objectives/Benchmarks	*FlyBy Math*™ Activities
b. Determine and compare appropriate units for measurement of weight/mass, capacity, temperature, length, distance and volume, in English and metric systems and time in real life situations.	--Conduct simulation and measurement for several aircraft conflict problems. --Calculate and measure the position and time of simulated aircraft. Represent that motion using tables, graphs, equations, and experimentation.

Content Strand: Data Analysis and Probability

Competency 5. Collect, organize, interpret, analyze and display data. Apply basic concepts of probability.

Objectives/Benchmarks	*FlyBy Math*™ Activities
b. Formulate questions to collect, organize, construct and interpret data using bar graphs, line graphs, line plots, pictographs, tables, and charts (using a variety of scale units). Incorporate appropriate technology and manipulatives.	--Conduct simulation and measurement for several aircraft conflict problems. --Represent distance, rate, and time data using tables, line plots, bar graphs, and line graphs. --Use tables, bar graphs, line graphs, a Cartesian coordinate system, and equations to model aircraft conflicts and predict outcomes.